

ABSTRACTDEVICE AND METHOD FOR CONNECTING INERT ANODES DESIGNED
FOR THE PRODUCTION OF ALUMINIUM BY FUSED BATH
ELECTROLYSIS

This invention relates to an anode assembly (1) to be used in a fused bath electrolysis aluminium production cell. This assembly comprises one inert anode (2) in the shape of a ladle, one connection conductor (3, 4, 5),
5 mechanical connection means capable of cooperating so as to set up a mechanical link between the conductor and the anode, one metallic joint (31) that is or could be formed by brazing being located between all or part of at least one surface (20, 20', 20'') of the open end (22) of the
10 anode (2) and all or part of at least one surface (40, 40', 40'') of the connection end (42) of the conductor (3, 4, 5). The invention simplifies manufacturing of anode assemblies comprising one inert anode.

15 Figure 1.